

OFFICE OF PROPOSAL DEVELOPMENT

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Stony Brook
Research

WHO WE ARE AND WHAT WE DO

The Office of Proposal Development (OPD) provides Stony Brook University investigators with comprehensive, strategic, project management support in identifying extramural funding opportunities and building collaborations for the development of highly competitive large and complex (multi-million, multi-institutional) proposals. OPD also provides early career faculty with extensive support to obtain or bolster funding for their research program. In addition to providing full support for the administrative components of the proposal development process, OPD manages limited competitions for the entire campus, organizes workshops and grant writing trainings, connects researchers to institutional resources, and offers editing and proofreading services for proposal content. OPD also assists PIs in coordinating with other offices on campus to facilitate industrial interactions, outreach to state agencies, mandatory cost sharing, and broader impacts; which are often required for large-scale proposals.

CONTACT INFORMATION

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PROPOSAL ACTIVITY

During the 2018-2019 fiscal year, OPD facilitated the submission of 72 grant applications with total combined proposed budgets of \$141,244,091. In line with OPD's mission, 31 of those proposals were considered large and complex and 30 had early career investigators as PIs. The 11 remaining proposals included preliminary proposals for larger projects as well as proposals led by PIs new to the University. The 72 proposals were submitted to a number of federal agencies and private sponsors. Thirty-two of the grant applications supported by OPD were submitted to NSF, 16 to NIH, 12 to DOE, and 12 to other sponsors, including NASA, DOD, AAAS, and private foundations.

OPD Proposal Submissions by Sponsor:

SPONSOR	NUMBER OF PROPOSAL SUBMISSIONS	TOTAL PROPOSED BUDGET
National Science Foundation (NSF)	32	\$37,005,853
National Institutes of Health (NIH)	16	\$66,253,917
Department of Energy (DOE)	12	\$26,115,938
Other	12	\$11,868,383

OPD offers assistance to investigators across the entire University. This past fiscal year, the majority of proposals supported by OPD were associated with the College of Engineering and Applied Sciences, the College of Arts and Sciences, and the School of Medicine.

OPD Proposal Submissions by School/College:

SCHOOL/COLLEGE	NUMBER OF PROPOSAL SUBMISSIONS	TOTAL PROPOSED BUDGET AMOUNT
College of Engineering and Applied Science	30	\$43,026,959
College of Arts and Sciences	22	\$44,167,818
School of Medicine	13	\$38,255,204
School of Marine and Atmospheric Sciences	3	\$2,652,015
Centers/Institutes	4	\$13,128,483

Twenty-six percent of the proposals submitted with OPD's assistance in the 2018-2019 fiscal year were successful, bringing \$33,368,829 in grant funding to the University. This dollar amount represents 35% of the total combined budgets of the submitted grant applications, indicating greater success in getting larger proposals funded. OPD has assisted with 60% of the University's 10 largest proposals submitted to external sponsors. The average requested budget of a proposal supported by OPD was \$1.9M.

PROPOSAL DEVELOPMENT INITIATIVES

QUANTUM Quantum information science (QIS) has become a major funding priority in the United States. OPD became involved early with statewide efforts to inform SBU investigators by organizing a trip to SUNY's first Quantum Science and Engineering Workshop in November 2018. As a next step, OPD led the planning of a Quantum Immersion Workshop, which brought together over 200 participants with expertise in physics, computer science, engineering, and materials science interested in establishing interdisciplinary collaborations for upcoming funding opportunities. OPD also participated in the Air Force Research Laboratory's International Quantum Information Science Workshop in July 2019. Stony Brook University has about \$7 million in active QIS research grants, and OPD assisted with the development of ten new proposals within the last year.

ENERGY OPD assisted SBU investigators in securing funding for groundbreaking energy research on campus, working on eight related proposals in the 2018-2019 fiscal year. The proposals focused on a range of topics within the energy initiative, including solid state batteries, offshore wind, high-efficiency distributed power, and nuclear technology. OPD provided support for seven DOE proposals (three EERE, three ARPA-E, and one EFRC) as well as one NYSERDA proposal, requesting a total of \$23,195,804 in research funding. Half of these proposals were successful, already bringing in over \$15.5M to fund energy research at the University.

ENGINEERING DRIVEN MEDICINE Several colleges/schools have prioritized convergence research to accelerate the development of technologies that will positively impact human health and society. OPD was extensively involved in the development of a pre-proposal and later invited full proposal to the NSF Engineering Research Center on the topic of cobiotic spinal implants. The proposal involved nine departments on campus and five partner institutions across the US. The proposal was successfully submitted in July 2019 for \$26M, with an additional \$5.2M in institutional matching funds, which included a substantial commitment from SUNY System Administration.

SEED FUNDING OPD established the first campus-wide seed funding program at Stony Brook University called the OVPR Seed Grant Program, which aims to give University faculty a competitive edge in securing external research funds by supporting and fostering innovative scientific and scholarly activities that will lead to the development of highly competitive proposals for extramural funding. OPD received a total of 129 applications to last year's seed funding program and made 15 awards, totaling \$855,000, to PIs in the College of Engineering and Applied Sciences, the College of Arts and Sciences, the School of Marine and Atmospheric Sciences, and the School of Medicine.

LIMITED COMPETITIONS OPD handles all limited competitions for the University by disseminating information about limited submission funding opportunities and managing the pre-application and review process, when needed. In the 2018-2019 fiscal year, OPD announced and/or assisted with the development of 38 proposals for limited submission programs. Twenty-nine of those programs generated enough interest on campus to necessitate an internal competition, all of which were managed by OPD. In some cases, OPD further assisted the internal competition winners with the development and submission of their full grant applications. Of the OPD proposals submitted to limited competition programs, 27% have already been awarded or recommended for funding.

OPD-SPONSORED EVENTS IN THE 2018-2019 FISCAL YEAR

- Germination Space (Ideation Workshop)
- Quantum Immersion Workshop
- SUNY Department of Defense Networking Day in DC
- SUNY-wide NSF CAREER Award Workshop
- Writing Strategy Workshops for NSF CAREER Award
- Mock Panel Review for NSF CAREER Award

UPCOMING YEAR

Initiatives: OPD will undertake numerous large scale initiatives this year, including: Quantum Information Science, Clinical Research, Planetary Sciences, Medical Imaging, Computational Neuroscience, Radiochemistry and Coastal Resiliency.

Fall 2019 Training Workshops: In addition to offering programs focused on state and federal research priorities, OPD will offer a series of grant writing workshops in the coming year. The four workshops listed below will be held in the Institute for Advanced Computational Science Seminar Room during the Fall 2019 semester.

Department of Defense
Proposal Development
Workshop
Tuesday, October 15, 2019
9:30 am-4:30 pm

[Click here to register.](#)

Pursuing Funding
for Instrumentation
Proposals
Friday, November 1, 2019
8:30 am-12:00 pm

[Click here to register.](#)

Pursuing Funding in the
Humanities and Humanities-
Focused Social Sciences
Friday, November 1, 2019
12:30-2:30 pm

[Click here to register.](#)

Pursuing Social Science
Funding from NSF, NIH, DoD,
and Other Federal Agencies
Friday, November 1, 2019
2:30-4:30 pm

[Click here to register.](#)